

IN THE CLAIMS:

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1 1. (Currently Amended) An endocrine cell microdisk [comprising a discoid microporous
2 encapsulated endocrine cell for transplantation into an animal body to correct a hormonal
3 deficiency] for transplantation into a human body to correct a hormonal deficiency, said
4 disk having a pair of opposing faces, at least one of which is formed to project concavely
5 toward the other.

1 2. (Original) An endocrine cell microdisk according to Claim 1 in which the endocrine
2 cell is an insulin producing cell.

1 3. (Previously Presented) An endocrine cell microdisk according to claim 1 in which said
2 microdisk has a ratio of diameter to thickness of at least four.

1 4. (Previously Presented) An endocrine cell microdisk according to claims 1 in which
2 said microdisk has a ratio of diameter to thickness of in the range of from six to twenty.

1 5. (Cancel)

1 6. (Previously Presented) An endocrine cell microdisk according to claim 1 in which said
2 microdisk has two opposed concave faces.

1 7. (Original) An endocrine cell microdisk according to claim 6 in which the concavities
2 are maintained by internal joining structure.

1 8. (Previously Presented) An endocrine cell microdisk according to claim 7 in which said
2 joining structure extends between opposing faces of said microdisk.

1 9. (Previously Cancelled)

1 10. (Previously Cancelled)

1 11. (Currently Amended) An endocrine cell microdisk comprising a microporous mem-
2 brane having first and second opposed faces joined together at the periphery thereof and
3 forming an extended [flattened] structure of lateral extent substantially greater than the
4 maximum thickness between the surfaces and containing endocrine cellular material for
5 implantation as a unit into an animal body, at least one of said faces being formed to
6 project concavely toward the other.

1 12. (Original) An endocrine cell microdisk according to claim 11 in which said lateral
2 extent is at least four times said thickness.

1 13. (Original) An endocrine cell microdisk according to claim 11 in which said micro-
2 disk is formed generally in the shape of an erythrocyte.

1 14. (Cancel)

1 15. (Previously Presented) An endocrine cell microdisk according to claim 11 which in-
2 cludes at least one internal joining structure extending between said opposed faces and
3 maintaining a concavity in at least on of said faces.

1 16. (Previously Presented) An endocrine cell microdisk according to claim 15 which in-
2 cludes a plurality of internal joining structures extending between said opposed faces and
3 maintaining a plurality of concavities in at least one of said faces.

Please add new claim as follows:

- 1 17. (New) An endocrine cell microdisk according to either of claims 1 or 11 in which
- 2 opposed faces of said disk are joined to each other at a plurality of locations on said faces
- 3 to thereby form a multiplicity of concavely-extending surface portions.